

# Product Information

## MemDX™ Membrane Protein Human NT5C3 (5'-nucleotidase, cytosolic IIIA)

Cat. No.: **MP0226J**

This product is for research use only and is not intended for diagnostic use.

This product is a 33.7 kDa Human NT5C3 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

NT5C3

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

33.7 kDa

#### Sequence

MTNQESAVHVKMMPEFQKSSVRIKNPTRVEEIIICGLIKGGAALKQIITDFDMTSLRFSYKGKRCPTCHNI  
IDNCKLVTDECRKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV  
MLKEGYENFFDKLQQHSIPVFIFSAGIGDVL EEVIRQAGVYHPNVKVVSNFMDFDETGVLKGFGKELIHV  
FNKHDGALRNTEYFNQLKDNSNIILLGDSQGDRLMADGVANVEHILKIGYLNDRVDELLEKYMDSYDIVL  
VQDESLEVANSILQKIL

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

#### Purification

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

NT5C3

**Full Name**

5'-nucleotidase, cytosolic IIIA

**Introduction**

This gene encodes a member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. Mutations in this gene are a cause of hemolytic anemia due to uridine 5-prime monophosphate hydrolase deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and pseudogenes of this gene are located on the long arm of chromosomes 3 and 4.

**Alternative Names**

p36; PN-I; POMP; PSN1; UMPH; NT5C3; P5N-1; UMPH1; hUMP1; P5'N-1; cN-III; cytosolic 5'-nucleotidase 3A; 7-methylguanosine phosphate-specific 5'-nucleotidase; pyrimidine 5'-nucleotidase 1

**Gene ID**

[51251](#)

**UniProt ID**

[Q9H0P0](#)